

## EAST Search History

| Ref # | Hits | Search Query  | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|------|---|---|------------------|---------|------------------|
| L1    | 2511 | (359/189 or 702/126 or 370/476 or 398/202 or 398/214 or 375/377 or 375/316).icls.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ              | ON      | 2006/07/12 09:41 |
| L2    | 1134 | I1 and clock  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ              | ON      | 2006/07/12 09:41 |
| L3    | 440  | I2 and optical  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ              | ON      | 2006/07/12 09:43 |
| L4    | 251  | I3 and (data rate or bit rate)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ              | ON      | 2006/07/12 09:43 |
| L5    | 227  | I4 and (transponder or receiver)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ              | ON      | 2006/07/12 09:44 |
| L6    | 6    | I5 and (signal type or client type)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ              | ON      | 2006/07/12 09:44 |
| S3    | 6    | (gazzola with maurizio).in. or<br>(grandi with emanuela).in. or<br>(bianchi with david).in. or (binetti<br>with stefano).in. or (chiesa with<br>luca della).in. | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ              | ON      | 2006/07/07 15:16 |
| S4    | 0    | reception multiple signal type  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ              | ON      | 2006/07/07 15:17 |
| S5    | 13   | reception and multiple signal type  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ              | ON      | 2006/07/07 15:47 |

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|     |      |  |   |     |    |                  |
|-----|------|--|---|-----|----|------------------|
| S6  | 1479 | signal type and data rate  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2006/07/07 15:48 |
| S7  | 8    | "1156604".pn.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2006/07/10 09:45 |
| S8  | 1479 | signal type and data rate  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2006/07/10 09:50 |
| S9  | 54   | S8 and SDH and SONET   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2006/07/10 10:03 |
| S10 | 39   | S9 and clock   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2006/07/10 10:03 |
| S11 | 32   | S10 and monitor\$  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2006/07/10 10:04 |
| S12 | 6    | (signal type or client type) and<br>(data rate or bit rate) and clock<br>recovery and (transponder or<br>receiver) and (performance<br>(monitoring or management)) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2006/07/10 10:21 |
| S13 | 6    | (signal type or client type) and<br>(data rate or bit rate) and clock<br>rate and (transponder or receiver)<br>and (performance (monitoring or<br>management))     | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2006/07/10 11:11 |
| S14 | 4    | S13 not S12  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2006/07/10 10:22 |

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|     |     |  |   |     |    |                  |
|-----|-----|--|---|-----|----|------------------|
| S15 | 31  | ("3985975"   "3993976"  <br>"4200861"   "4385322"   "4543660"<br>  "4623778"   "4636612"  <br>"4831616"   "4939727"   "5060282"<br>  "5113151"   "5303381"  <br>"5365328"   "5432329"   "5465238"<br>  "5598389"   "5673129"  <br>"5815294"   "5841907"   "5870217"<br>  "5912740"   "5914794"  <br>"6038073"   "6111681"   "6246985"<br>  "6249365"   "6269204"  <br>"6278961"   "6285637").PN. OR<br>("6466886").URPN.   | US-PGPUB;<br>USPAT;<br>USOCR                            | ADJ | ON | 2006/07/10 10:32 |
| S16 | 34  | ("3985975"   "3993976"  <br>"4200861"   "4385322"   "4543660"<br>  "4623778"   "4636612"  <br>"4831616"   "4932038"   "4939727"<br>  "5060282"   "5113151"  <br>"5303381"   "5365328"   "5432329"<br>  "5465238"   "5598389"  <br>"5673129"   "5815294"   "5825949"<br>  "5841907"   "5870217"  <br>"5912740"   "5914794"   "6025947"<br>  "6038073"   "6111681"  <br>"6246985"   "6249365"   "6269204"<br>  "6278961"   "6285637"  <br>"6433899"   "6466886").PN. OR<br>("6832052").URPN. | US-PGPUB;<br>USPAT;<br>USOCR                            | ADJ | ON | 2006/07/10 10:57 |
| S17 | 0   | automatic\$4 clock recovery and<br>SDH and SONET   | US-PGPUB;<br>USPAT;<br>USOCR                            | ADJ | ON | 2006/07/10 17:39 |
| S18 | 147 | automatic\$4 and clock recovery and<br>SDH and SONET   | US-PGPUB;<br>USPAT;<br>USOCR                            | ADJ | ON | 2006/07/10 10:58 |
| S19 | 28  | S18 and performance monitor\$3   | US-PGPUB;<br>USPAT;<br>USOCR                            | ADJ | ON | 2006/07/10 10:59 |
| S20 | 235 | (signal type or client type) and<br>(data rate or bit rate) and clock<br>rate and (transponder or receiver)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2006/07/10 11:25 |
| S21 | 11  | S20 and SDH and SONET  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2006/07/10 11:14 |

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|     |     |   |   |     |    |                  |
|-----|-----|---|---|-----|----|------------------|
| S22 | 293 | (signal type or client type) and (data rate or bit rate) and (clock rate or clock recovery) and (transponder or receiver) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2006/07/10 11:27 |
| S23 | 12  | S22 and SONET and SDH   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2006/07/10 11:26 |
| S24 | 1   | S23 not S21   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2006/07/10 11:26 |
| S25 | 217 | S22 and automatic\$4  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2006/07/10 11:37 |
| S26 | 132 | S25 and optical   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2006/07/10 14:42 |
| S27 | 0   | reception of multiple signal type   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2006/07/10 14:01 |
| S28 | 0   | multiple received signal type   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2006/07/10 14:01 |
| S29 | 165 | SONET with SDH with Gigabit Ethernet  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2006/07/10 14:02 |
| S30 | 61  | S29 and (different (data rate) or (bit rate))   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2006/07/10 14:23 |
| S31 | 36  | S29 and ((clock rate) or (clock recovery) or (bit clock))   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2006/07/10 14:25 |

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|     |     |   |   |     |     |                  |
|-----|-----|---|---|-----|-----|------------------|
| S32 | 13  | S31 NOT S30   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2006/07/10 14:25 |
| S33 | 3   | automatic (bit rate or clock rate)<br>(identification or select\$4)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2006/07/10 15:49 |
| S34 | 13  | ((("5631925") or ("5982837") or<br>("6163586") or ("6163808") or<br>("6215414") or ("5081654") or<br>("6466886") or ("6526109") or<br>("6631144") or ("5220294") or<br>("5950115") or ("5952890") or<br>("6218876"))).PN. | US-PGPUB;<br>USPAT;<br>EPO                              | OR  | OFF | 2006/07/10 14:59 |
| S35 | 0   | automatic (signal type or client<br>type) (identification or select\$4)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2006/07/10 15:50 |
| S36 | 4   | automatic optical (signal type or<br>client type) (identification or<br>select\$4)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2006/07/10 15:51 |
| S37 | 37  | automatic with (signal type or client<br>type) with (identification or<br>select\$4)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2006/07/10 17:18 |
| S38 | 109 | (select with signal type) and (clock<br>recovery or rate)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2006/07/10 16:26 |
| S39 | 68  | S38 and automatic\$   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2006/07/10 16:41 |
| S40 | 0   | multi bit rate clock and data<br>recovery   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2006/07/10 16:42 |

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|     |     |  |   |     |    |                  |
|-----|-----|--|---|-----|----|------------------|
| S41 | 0   | multi bit rate clock and data recovery   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2006/07/10 16:43 |
| S42 | 96  | bit rate clock and data recovery   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2006/07/10 16:43 |
| S43 | 22  | S42 and optical  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2006/07/10 16:44 |
| S44 | 1   | ("2003/0016423").URPN.   | USPAT   | ADJ | ON | 2006/07/10 17:02 |
| S45 | 6   | ("20020027694"   "20030002108"   "20030016423"   "20030043440"   "5881022").PN. OR ("6684033").URPN.                   | US-PGPUB;<br>USPAT;<br>USOCR                            | ADJ | ON | 2006/07/10 17:10 |
| S46 | 0   | (langmann with Ulrich).in.   | US-PGPUB;<br>USPAT;<br>USOCR                            | ADJ | ON | 2006/07/10 17:10 |
| S47 | 3   | (Scheytt with christoph).in.   | US-PGPUB;<br>USPAT;<br>USOCR                            | ADJ | ON | 2006/07/10 17:11 |
| S48 | 142 | automatic\$ with (signal type or client type) with (identification or select\$4 or detect\$4)                          | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2006/07/10 17:23 |
| S49 | 59  | S48 and optical  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2006/07/10 17:20 |
| S50 | 38  | S49 and clock  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2006/07/10 17:21 |
| S51 | 621 | automatic\$ with (identification or select\$4 or detect\$4) with (data rate or signal type or signal type or bit rate) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2006/07/10 17:55 |

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|     |      |  |   |     |    |                  |
|-----|------|--|---|-----|----|------------------|
| S52 | 227  | S51 and optical  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2006/07/10 17:40 |
| S54 | 29   | S52 and (SONET or SDH)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2006/07/10 17:26 |
| S55 | 8    | automatic\$4 clock recovery  | US-PGPUB;<br>USPAT;<br>USOCR                            | ADJ | ON | 2006/07/10 17:39 |
| S56 | 8    | S52 and (performance monitor\$3)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2006/07/10 17:44 |
| S57 | 8    | S51 and (performance monitor\$3)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2006/07/10 18:04 |
| S58 | 56   | automatic\$ with identif\$4 with<br>(data rate or signal type or signal<br>type or bit rate) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2006/07/10 17:58 |
| S59 | 26   | S58 and optical  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2006/07/10 17:55 |
| S60 | 3    | S58 and (SONET or SDH)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2006/07/10 17:59 |
| S61 | 0    | ("2005/0249126").URPN.   | USPAT   | ADJ | ON | 2006/07/10 18:00 |
| S62 | 2170 | (transponder or receiver) and<br>(performance monitor\$3)                                    | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2006/07/10 18:11 |
| S63 | 206  | S62 and clock rate   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2006/07/10 18:05 |

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|     |     |   |   |     |    |                  |
|-----|-----|---|---|-----|----|------------------|
| S64 | 122 | S63 and optical   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2006/07/10 18:05 |
| S65 | 91  | S64 and automatic\$4  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2006/07/10 18:05 |
| S66 | 517 | S62 and SONET   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2006/07/10 18:12 |
| S67 | 290 | S62 and (SONET and SDH)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2006/07/10 18:13 |
| S68 | 195 | S67 and automatic\$4  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2006/07/10 18:12 |
| S69 | 37  | S63 and (SONET and SDH)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2006/07/11 14:24 |
| S70 | 2   | ("20030016423" or "6684033").pn.<br>and (difference or different) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2006/07/12 09:39 |